```
=> fil reg; d que 15
FILE 'REGISTRY' ENTERED AT 10:51:39 ON 28 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)
```

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

```
STRUCTURE FILE UPDATES:    27 APR 2003   HIGHEST RN 506405-59-0
DICTIONARY FILE UPDATES:   27 APR 2003   HIGHEST RN 506405-59-0
```

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf


```
L3          20 SEA FILE=REGISTRY ABB=ON  CGUGUAGGGGUCCCGUGCUGUCAA|UUGACAGCACGG       Seq 15, 18,
               GACCCCUACUCG|GUUCCCAGUGAAGCUGCGAUCUGG|CCAGAUCGCAGCUUCACUGGGAAC|       38, 44, 53
               GCGAGCGUACCGAAGGGCCUAGAA|UUCUAGGCCCUUCGGUACGCUCGC|GGUACAUGCACUA       & complements
               CGCGCACUCGG|CCGAGUGCGCGUAGUGCAUGUACC|GAGAACUGAUCGCUGAGGGGCAUG|C
               AUGCCCCUCAGCGAUCAGUUCUC/SQSN
L4          20 SEA FILE=REGISTRY ABB=ON  CCGACGGAGGAUGAAGACAAUCAC|GUGAUUGUCUUC       Seq 74, 112,
               AUCCUCCGUCGG|UGUUGAAGCGAGCUAAAACGGCCA|UGGCCGUUUUAGCUCGCUUCAACU|       117, 120,122
               CACGAGAUACCGGCGUAAGGGUGG|CCACCCUUACGCCGGUAUCUCGUG|AAUCGACCUCCGC       & complements
               ACACAUUCGCA|UGCGAAUGUGUGCGGAGGUCGAUU|AGAUAAAGACGCUGGCAACACGGG|C
               CCGUGUUGCCAGCGUCUUUAUCU/SQSN
L5          40 SEA FILE=REGISTRY ABB=ON  (L3 OR L4) AND SQL<101
```


```
=> d rn cn kwic nte lc 15 1-40

L5    ANSWER 1 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN    437584-75-3  REGISTRY
CN    GenBank AX448218 (9CI)   (CA INDEX NAME)
SQL   25

SEQ      1 tcgtgtaggg gtcccgtgct gtcaa
           ========== ========== =====
HITS AT:    2-25


**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:   GENBANK

L5    ANSWER 2 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN    437579-05-0  REGISTRY
CN    GenBank AX447648 (9CI)   (CA INDEX NAME)
SQL   25

SEQ      1 tagataaaga cgctggcaac acggg
           ========== ========== =====
HITS AT:    2-25
```

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 3 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437579-03-8   REGISTRY
CN    GenBank AX447646✓(9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 taatcgacct ccgcacacat tcgca
            ========= ========== =====
HITS AT:    2-25


**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 4 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437579-00-5   REGISTRY
CN    GenBank AX447643✓(9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tcacgagata ccggcgtaag ggtgg
            ========= ========== =====
HITS AT:    2-25


**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 5 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-96-6   REGISTRY
CN    GenBank AX447639✓(9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 ttgttgaagc gagctaaaac ggcca
            ========= ========== =====
HITS AT:    2-25


**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 6 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-58-0   REGISTRY
CN    GenBank AX447601✓(9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tccgacggag gatgaagaca atcac
            ========= ========== =====
HITS AT:    2-25


**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 7 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-38-6   REGISTRY
CN    GenBank AX447581✓(9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tgagaactga tcgctgaggg gcatg
            ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 8 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-29-5  REGISTRY
CN    GenBank AX447572 (9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tggtacatgc actacgcgca ctcgg
          ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 9 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-24-0  REGISTRY
CN    GenBank AX447567 (9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tgcgagcgta ccgaagggcc tagaa
          ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 10 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437578-04-6  REGISTRY
CN    GenBank AX447547 (9CI)    (CA INDEX NAME)
SQL   **25**

SEQ       1 tgttcccagt gaagctgcga tctgg
          ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 11 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437525-13-8  REGISTRY
CN    GenBank AX443667 (9CI)    (CA INDEX NAME)
SQL   **24**

SEQ       1 agataaagac gctggcaaca cggg
          ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 12 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    437525-11-6  REGISTRY
CN    GenBank AX443665 (9CI)    (CA INDEX NAME)
SQL   **24**

SEQ       1 aatcgacctc cgcacacatt cgca
          ========= ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 13 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-08-1   REGISTRY
CN   GenBank AX443662✓(9CI)   (CA INDEX NAME)
SQL  **24**

SEQ      1 cacgagatac cggcgtaagg gtgg
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 14 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-03-6   REGISTRY
CN   GenBank AX443657✓(9CI)   (CA INDEX NAME)
SQL  **24**

SEQ      1 tgttgaagcg agctaaaacg gcca
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 15 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-65-7   REGISTRY
CN   GenBank AX443619✓(9CI)   (CA INDEX NAME)
SQL  **24**

SEQ      1 ccgacggagg atgaagacaa tcac
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 16 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-44-2   REGISTRY
CN   GenBank AX443598✓(9CI)   (CA INDEX NAME)
SQL  **24**

SEQ      1 gagaactgat cgctgagggg catg
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 17 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-35-1   REGISTRY
CN   GenBank AX443589✓(9CI)   (CA INDEX NAME)
SQL  **24**

SEQ      1 ggtacatgca ctacgcgcac tcgg
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 18 OF 40    REGISTRY    COPYRIGHT 2003 ACS
RN    437524-29-3    REGISTRY
CN    GenBank AX443583 (9CI)    (CA INDEX NAME)
SQL   **24**

SEQ        1 gcgagcgtac cgaagggcct agaa
             ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 19 OF 40    REGISTRY    COPYRIGHT 2003 ACS
RN    437524-09-9    REGISTRY
CN    GenBank AX443563 (9CI)    (CA INDEX NAME)
SQL   **24**

SEQ        1 gttcccagtg aagctgcgat ctgg
             ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 20 OF 40    REGISTRY    COPYRIGHT 2003 ACS
RN    437524-06-6    REGISTRY
CN    GenBank AX443560 (9CI)    (CA INDEX NAME)
SQL   **24**

SEQ        1 cgtgtagggg tcccgtgctg tcaa
             ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    GENBANK

L5    ANSWER 21 OF 40    REGISTRY    COPYRIGHT 2003 ACS
RN    403062-46-4    REGISTRY
CN    DNA, d(T-C-G-T-G-T-A-G-G-G-G-T-C-C-C-G-T-G-C-T-G-T-C-A-A) (9CI)    (CA INDEX
      NAME)
OTHER NAMES:
CN    3923: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ        1 tcgtgtaggg gtcccgtgct gtcaa
             ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 22 OF 40    REGISTRY    COPYRIGHT 2003 ACS
RN    403056-76-8    REGISTRY
CN    DNA, d(T-A-G-A-T-A-A-A-G-A-C-G-C-T-G-G-C-A-A-C-A-C-G-G-G) (9CI)    (CA INDEX
      NAME)
OTHER NAMES:

CN    3353: PN: WO0216649 TABLE: 4 claimed sequence
SQL  **25**


SEQ      1 tagataaaga cgctggcaac acggg
           ========== ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 23 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-74-6  REGISTRY
CN    DNA, d(T-A-A-T-C-G-A-C-C-T-C-C-G-C-A-C-A-C-A-T-T-C-G-C-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3351: PN: WO0216649 TABLE: 4 claimed sequence
SQL  **25**


SEQ      1 taatcgacct ccgcacacat tcgca
           ========== ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 24 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-71-3  REGISTRY
CN    DNA, d(T-C-A-C-G-A-G-A-T-A-C-C-G-G-C-G-T-A-A-G-G-G-T-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3348: PN: WO0216649 TABLE: 4 claimed sequence
SQL  **25**


SEQ      1 tcacgagata ccggcgtaag ggtgg
           ========== ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 25 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-67-7  REGISTRY
CN    DNA, d(T-T-G-T-T-G-A-A-G-C-G-A-G-C-T-A-A-A-A-C-G-G-C-C-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3344: PN: WO0216649 TABLE: 4 claimed sequence
SQL  **25**

SEQ      1 ttgttgaagc gagctaaaac ggcca
           ========== ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 26 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-29-1  REGISTRY
CN    DNA, d(T-C-C-G-A-C-G-G-A-G-G-A-T-G-A-A-G-A-C-A-A-T-C-A-C) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

CN    3306: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ      1 tccgacggag gatgaagaca atcac
           ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 27 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-09-7   REGISTRY
CN    DNA, d(T-G-A-G-A-A-C-T-G-A-T-C-G-C-T-G-A-G-G-G-G-C-A-T-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3286: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ      1 tgagaactga tcgctgaggg gcatg
           ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 28 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403056-00-8   REGISTRY
CN    DNA, d(T-G-G-T-A-C-A-T-G-C-A-C-T-A-C-G-C-G-C-A-C-T-C-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3277: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ      1 tggtacatgc actacgcgca ctcgg
           ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 29 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403055-95-8   REGISTRY
CN    DNA, d(T-G-C-G-A-G-C-G-T-A-C-C-G-A-A-G-G-G-C-C-T-A-G-A-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    3272: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ      1 tgcgagcgta ccgaagggcc tagaa
           ========= ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS

L5    ANSWER 30 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN    403055-75-4   REGISTRY
CN    DNA, d(T-G-T-T-C-C-C-A-G-T-G-A-A-G-C-T-G-C-G-A-T-C-T-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

CN   3252: PN: WO0216649 TABLE: 4 claimed sequence
SQL  **25**


SEQ       1 tgttcccagt gaagctgcga tctgg
            ========== ========== =====
HITS AT:    2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS


L5   ANSWER 31 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402710-49-0  REGISTRY
CN   DNA, d(C-G-T-G-T-A-G-G-G-G-T-C-C-C-G-T-G-C-T-G-T-C-A-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   15: PN: WO0216649 SEQID: 15 unclaimed sequence
SQL  **24**


SEQ       1 cgtgtagggg tcccgtgctg tcaa
            ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS


L5   ANSWER 32 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-89-6  REGISTRY
CN   DNA, d(A-G-A-T-A-A-A-G-A-C-G-C-T-G-G-C-A-A-C-A-C-G-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   22: PN: WO0216649 SEQID: 122 claimed sequence
SQL  **24**


SEQ       1 agataaagac gctggcaaca cggg
            ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS


L5   ANSWER 33 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-87-4  REGISTRY
CN   DNA, d(A-A-T-C-G-A-C-C-T-C-C-G-C-A-C-A-C-A-T-T-C-G-C-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   20: PN: WO0216649 SEQID: 120 claimed sequence
SQL  **24**


SEQ       1 aatcgacctc cgcacacatt cgca
            ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS


L5   ANSWER 34 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-84-1  REGISTRY
CN   DNA, d(C-A-C-G-A-G-A-T-A-C-C-G-G-C-G-T-A-A-G-G-G-T-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:

CN    17: PN: WO0216649 SEQID: 117 claimed sequence
SQL  **24**

SEQ      1 cacgagatac cggcgtaagg gtgg
           ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5    ANSWER 35 OF 40   REGISTRY  COPYRIGHT 2003 ACS
RN    402704-79-4  REGISTRY
CN    DNA, d(T-G-T-T-G-A-A-G-C-G-A-G-C-T-A-A-A-A-C-G-G-C-C-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    12: PN: WO0216649 SEQID: 112 claimed sequence
SQL  **24**

SEQ      1 tgttgaagcg agctaaaacg gcca
           ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5    ANSWER 36 OF 40   REGISTRY  COPYRIGHT 2003 ACS
RN    402704-41-0  REGISTRY
CN    DNA, d(C-C-G-A-C-G-G-A-G-G-A-T-G-A-A-G-A-C-A-A-T-C-A-C) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    74: PN: WO0216649 SEQID: 74 claimed sequence
SQL  **24**

SEQ      1 ccgacggagg atgaagacaa tcac
           ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5    ANSWER 37 OF 40   REGISTRY  COPYRIGHT 2003 ACS
RN    402704-20-5  REGISTRY
CN    DNA, d(G-A-G-A-A-C-T-G-A-T-C-G-C-T-G-A-G-G-G-G-C-A-T-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN    53: PN: WO0216649 SEQID: 53 claimed sequence
SQL  **24**

SEQ      1 gagaactgat cgctgagggg catg
           ========== ========== ====
HITS AT:    1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5    ANSWER 38 OF 40   REGISTRY  COPYRIGHT 2003 ACS
RN    402704-11-4  REGISTRY
CN    DNA, d(G-G-T-A-C-A-T-G-C-A-C-T-A-C-G-C-G-C-A-C-T-C-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

CN   44: PN: WO0216649 SEQID: 44 claimed sequence
SQL  **24**

SEQ      1 ggtacatgca ctacgcgcac tcgg
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5   ANSWER 39 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-05-6  REGISTRY
CN   DNA, d(G-C-G-A-G-C-G-T-A-C-C-G-A-A-G-G-G-C-C-T-A-G-A-A) (9CI)  (CA INDEX
     NAME)
OTHER NAMES:
CN   38: PN: WO0216649 SEQID: 38 claimed sequence
SQL  **24**

SEQ      1 gcgagcgtac cgaagggcct agaa
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS

L5   ANSWER 40 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402703-85-9  REGISTRY
CN   DNA, d(G-T-T-C-C-C-A-G-T-G-A-A-G-C-T-G-C-G-A-T-C-T-G-G) (9CI)  (CA INDEX
     NAME)
OTHER NAMES:
CN   18: PN: WO0216649 SEQID: 18 claimed sequence
SQL  **24**

SEQ      1 gttcccagtg aagctgcgat ctgg
           ========== ========== ====
HITS AT:   1-24

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS


=> fil capl; s 15
FILE 'CAPLUS' ENTERED AT 10:52:54 ON 28 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907 - 28 Apr 2003  VOL 138 ISS 18
FILE LAST UPDATED: 27 Apr 2003  (20030427/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.


L6              1 L5

=> d ibib ab hitrn 16; fil hom

L6    ANSWER 1 OF 1    CAPLUS   COPYRIGHT 2003 ACS
ACCESSION NUMBER:          2002:158034   CAPLUS
DOCUMENT NUMBER:           136:227874
TITLE:                     Adapter molecules and universal arrays and their use
                           in detection of targets
INVENTOR(S):               Gunderson, Kevin
PATENT ASSIGNEE(S):        Illumina, Inc., USA
SOURCE:                    PCT Int. Appl., 261 pp.
                           CODEN: PIXXD2
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2002016649 | A2 | 20020228 | WO 2001-US26519 | 20010827 |
| WO 2002016649 | A3 | 20030313 | | |

       W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
              PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
              UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
      RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
              DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
              BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| AU 2001088393 | A5 | 20020304 | AU 2001-88393 | 20010827 |

PRIORITY APPLN. INFO.:

| | APPLICATION NO. | | DATE |
|---|---|---|---|
| | US 2000-227948P | P | 20000825 |
| | US 2000-228854P | P | 20000829 |
| | WO 2001-US26519 | W | 20010827 |

AB    The present invention is directed to improved methods and compns. for the
      use of adapter sequences on arrays in a variety of multiplexed nucleic
      acid reactions, including synthesis reactions, amplification reactions,
      and genotyping reactions.  Thus, a method for immobilizing target nucleic
      acids comprises attaching an adapter nucleic acid to a target nucleic acid
      to form a modified target nucleic acid, then contacting this modified
      nucleic acid with an array of at least 25 different addresses, each
      address contg. a different adapter probe.  Further, a method for detecting
      target nucleic acids makes use of these immobilized target nucleic acids
      by providing a means of detecting the immobilized target mols.  The use of
      adapter nucleic acids allows one to prep. "universal arrays", the capture
      probes of which can be modified by different adapter nucleic acids
      depending upon the use to which it is to be applied.
IT    402703-85-9 402704-05-6 402704-11-4
      402704-20-5 402704-41-0 402704-79-4
      402704-84-1 402704-87-4 402704-89-6
      403055-75-4 403055-95-8 403056-00-8
      403056-09-7 403056-29-1 403056-67-7
      403056-71-3 403056-74-6 403056-76-8

**403062-46-4**
RL: ARG (Analytical reagent use); PRP (Properties); ANST (Analytical study); USES (Uses)
    (adapter or capture probe; adapter mols. and universal arrays and their use in detection of targets)
IT  **402710-49-0**
RL: PRP (Properties)
    (unclaimed sequence; adapter mols. and universal arrays and their use in detection of targets)


FILE 'HOME' ENTERED AT 10:53:04 ON 28 APR 2003